

SEQUENCE LISTING

<110> Deneris, Evan S.
 Fyodoro, Dmitry V.
 Hendricks, Timothy J.
 <120> Reagents and Methods for the Screening of Compounds
 Useful in the Treatment of Neurological Diseases
 <130> CASE-04027
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 <150> 09/360,779
 <151> 1999-07-26
 <160> 23
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 Met Glu
 1
 gac cca ggt ggc gct cct ctg ggg gag agg gtt cca gcc ccc cac ccc 165
 Asp Pro Gly Gly Ala Pro Leu Gly Glu Arg Val Pro Ala Pro His Pro
 5 10 15
 cct cag ccc cat ccc ctc aca gct cac tcc tcc agt aca ccg gca ccg 213
 Pro Gln Pro His Pro Leu Thr Ala His Ser Ser Ser Thr Pro Ala Pro
 20 25 30
 gga tgg gct ggg atg cag ctc cag gac ccc ctc cct cct cac cac acc 261
 Gly Trp Ala Gly Met Gln Leu Gln Asp Pro Leu Pro Pro His His Thr
 35 40 45 50
 ctg gct gcc cgc tcc cgc cag gcc ttg ccg gac ccg gcg gcg tct act 309
 Leu Ala Ala Arg Ser Arg Gln Ala Leu Pro Asp Pro Ala Ala Ser Thr
 55 60 65
 ctt ccc tgt cac cca cag tca cca cgg gcg ggt atc ggc acc cca agc 357
 Leu Pro Cys His Pro Gln Ser Pro Arg Ala Gly Ile Gly Thr Pro Ser
 70 75 80
 gca aag ctg acg tgc ccc ccc gtg cgg tcc ccc cca tct ccc acc gcc 405
 Ala Lys Leu Thr Cys Pro Pro Val Arg Ser Pro Pro Ser Pro Thr Ala
 85 90 95

cag tcc ccg gca gcg atg aga cag agc ggc acc tcc cag ccc ctg ctg Gln Ser Pro Ala Ala Met Arg Gln Ser Gly Thr Ser Gln Pro Leu Leu 100 105 110	453
atc aac atg tac cta cca gat ccc gtc gga gat ggt ctt ttt aag gaa Ile Asn Met Tyr Leu Pro Asp Pro Val Gly Asp Gly Leu Phe Lys Glu 115 120 125 130	501
ggg aag agc ccg agc tgg ggg ccg ctg agc cct gcg gta cag aaa ggc Gly Lys Ser Pro Ser Trp Gly Pro Leu Ser Pro Ala Val Gln Lys Gly 135 140 145	549
agc ggg cag atc cag ttg tgg cag ttt cta ctg gag ctg ctg gca gac Ser Gly Gln Ile Gln Leu Trp Gln Phe Leu Leu Glu Leu Leu Ala Asp 150 155 160	597
cgc gcg aac gcc ggc tgc atc gcg tgg gag ggc ggc cac ggc gag ttc Arg Ala Asn Ala Gly Cys Ile Ala Trp Glu Gly Gly His Gly Glu Phe 165 170 175	645
aag ctc acc gac ccc gac gag gtg gcg cga cgc tgg ggc gag cgc aag Lys Leu Thr Asp Pro Asp Glu Val Ala Arg Arg Trp Gly Glu Arg Lys 180 185 190	693
agc aag ccc aat atg aac tac gac aag cta agt cga gca ctg cgc tac Ser Lys Pro Asn Met Asn Tyr Asp Lys Leu Ser Arg Ala Leu Arg Tyr 195 200 205 210	741
tac tac gac aaa aac atc atg agc aag gtg cac ggc aag cgc tac gcc Tyr Tyr Asp Lys Asn Ile Met Ser Lys Val His Gly Lys Arg Tyr Ala 215 220 225	789
tac cgc ttt gac ttc cag ggc ctg gca cag gct tgc cag cca cca ccc Tyr Arg Phe Asp Phe Gln Gly Leu Ala Gln Ala Cys Gln Pro Pro Pro 230 235 240	837
gcg cac gcc cac gcc gct gcc gcc gca gca gcg gca gcc gcc gcc Ala His Ala His Ala Ala 245 250 255	885
cag gat ggc gca ctt tac aag ctc ccg gct ggt ctg gct cca ctg ccc Gln Asp Gly Ala Leu Tyr Lys Leu Pro Ala Gly Leu Ala Pro Leu Pro 260 265 270	933
ttc ccc ggc ctc tcc aaa ctc aac ctt atg gca gcc tcg gcc ggc gtg Phe Pro Gly Leu Ser Lys Leu Asn Leu Met Ala Ala Ser Ala Gly Val 275 280 285 290	981
gcg ccc gct ggc ttc tct tac tgg cct ggt ccc aac gcc acc gcc gct Ala Pro Ala Gly Phe Ser Tyr Trp Pro Gly Pro Asn Ala Thr Ala Ala 295 300 305	1029
gcc gcc gcc acc gct gcg ctc tac cca acc ccg ggc ttg cag ccc cct Ala Ala Ala Thr Ala Ala Leu Tyr Pro Thr Pro Gly Leu Gln Pro Pro 310 315 320	1077
ccc ggg ccc ttt ggc gcg gtg gcc gcc gct tcg cac ttg ggg ggt cat Pro Gly Pro Phe Gly Ala Val Ala Ala Ser His Leu Gly Gly His 325 330 335	1125

tat cac tagacgggac ggccgggtgc agtggggcct ctccccacaca gccagtgacc 1181
 Tyr His
 340

aatcccatcc tcatcctggg aggagccccg aagatttccc cgacgttcct ttaccacaga 1241
 ttgcgttgcg cagccgctc ccagcccagg gaagaaagga tggaaagcct ctgagggtctt 1301
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Ala Pro Gly Trp Ala Gly Met Gln Leu Gln Asp Pro Leu Pro Pro His
 35 40 45

His Thr Leu Ala Ala Arg Ser Arg Gln Ala Leu Pro Asp Pro Ala Ala
 50 55 60

Ser Thr Leu Pro Cys His Pro Gln Ser Pro Arg Ala Gly Ile Gly Thr
 65 70 75 80

Pro Ser Ala Lys Leu Thr Cys Pro Pro Val Arg Ser Pro Pro Ser Pro
 85 90 95

Thr Ala Gln Ser Pro Ala Ala Met Arg Gln Ser Gly Thr Ser Gln Pro
 100 105 110

Leu Leu Ile Asn Met Tyr Leu Pro Asp Pro Val Gly Asp Gly Leu Phe
 115 120 125

Lys Glu Gly Lys Ser Pro Ser Trp Gly Pro Leu Ser Pro Ala Val Gln
 130 135 140

Lys Gly Ser Gly Gln Ile Gln Leu Trp Gln Phe Leu Leu Glu Leu Leu
 145 150 155 160

Ala Asp Arg Ala Asn Ala Gly Cys Ile Ala Trp Glu Gly Gly His Gly
 165 170 175

Glu Phe Lys Leu Thr Asp Pro Asp Glu Val Ala Arg Arg Trp Gly Glu
180 185 190

Arg Lys Ser Lys Pro Asn Met Asn Tyr Asp Lys Leu Ser Arg Ala Leu
195 200 205

Arg Tyr Tyr Tyr Asp Lys Asn Ile Met Ser Lys Val His Gly Lys Arg
210 215 220

Tyr Ala Tyr Arg Phe Asp Phe Gln Gly Leu Ala Gln Ala Cys Gln-Pro
225 230 235 240

Pro Pro Ala His Ala His Ala Ala Ala Ala Ala Ala Ala Ala Ala
245 250 255

Ala Ala Gln Asp Gly Ala Leu Tyr Lys Leu Pro Ala Gly Leu Ala Pro
260 265 270

Leu Pro Phe Pro Gly Leu Ser Lys Leu Asn Leu Met Ala Ala Ser Ala
275 280 285

Gly Val Ala Pro Ala Gly Phe Ser Tyr Trp Pro Gly Pro Asn Ala Thr
290 295 300

Ala Ala Ala Ala Ala Thr Ala Ala Leu Tyr Pro Thr Pro Gly Leu Gln
305 310 315 320

Pro Pro Pro Gly Pro Phe Gly Ala Val Ala Ala Ala Ser His Leu Gly
325 330 335

Gly His Tyr His
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<210> 3

<211> 11

<212> DNA

<213> Polyomavirus enhancer

<400> 3

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<210> 4

<211> 11

<212> DNA

<213> Homo sapiens

<400> 4

agcaggaagt t

11

<210> 5

<211> 11

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<400> 5

agcgggaagt t

11

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<211> 11

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<223> The amino acid at this position can be isoleucine, valine, or leucine.	

<220>
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<222> (2)
<223> The amino acid at this position can be glutamine,
tyrosine, or threonine.

<220>
<221> SITE
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<223> The amino acid at this position can be glutamic
acid or glutamine.

<220>
<223> Description of Artificial Sequence: Synthetic

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1 5

<210> 14
<211> 7
<212> PRT
<213> Artificial Sequence

<220>
<221> SITE
<222> (4)
<223> The amino acid at this position can be aspartic
acid or glutamic acid.

<220>
<221> SITE
<222> (5)
<223> The amino acid at this position can be lysine or
threonine.

<220>
<221> SITE
<222> (6)
<223> The amino acid at this position can be leucine or
methionine.

<220>
<221> SITE
<222> (7)
<223> The amino acid at this position can be serine or
glycine.

<220>
<223> Description of Artificial Sequence: Synthetic

<400> 14
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1 5

<210> 15
<211> 30
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic

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<211> 31		
<212> DNA		
<213> Artificial Sequence		
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<211> 9		
<212> PRT		
<213> Artificial Sequence		
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Glu Glu Glu Glu Tyr Met Pro Met Glu		
1 5		
<210> 18		
<211> 15		
<212> DNA		
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<220>		
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gtcacttcct ggatc		15
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gatccatcaa gtgac		15
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<210> 22
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<212> DNA
<213> Artificial Sequence

<220>
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<210> 23
<211> 37
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic

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